

## M 5.5, 50 km NNE of Oxapampa, Peru

Origin Time: 2020-10-30 18:24:42 UTC (Fri 13:24:42 local)  
Location: 10.1795° S 75.1835° W Depth: 45.3 km

Created: 1 day, 0 hours after earthquake

### Estimated Fatalities

Green alert for shaking-related fatalities and economic losses. There is a low likelihood of casualties and damage.



### Estimated Economic Losses

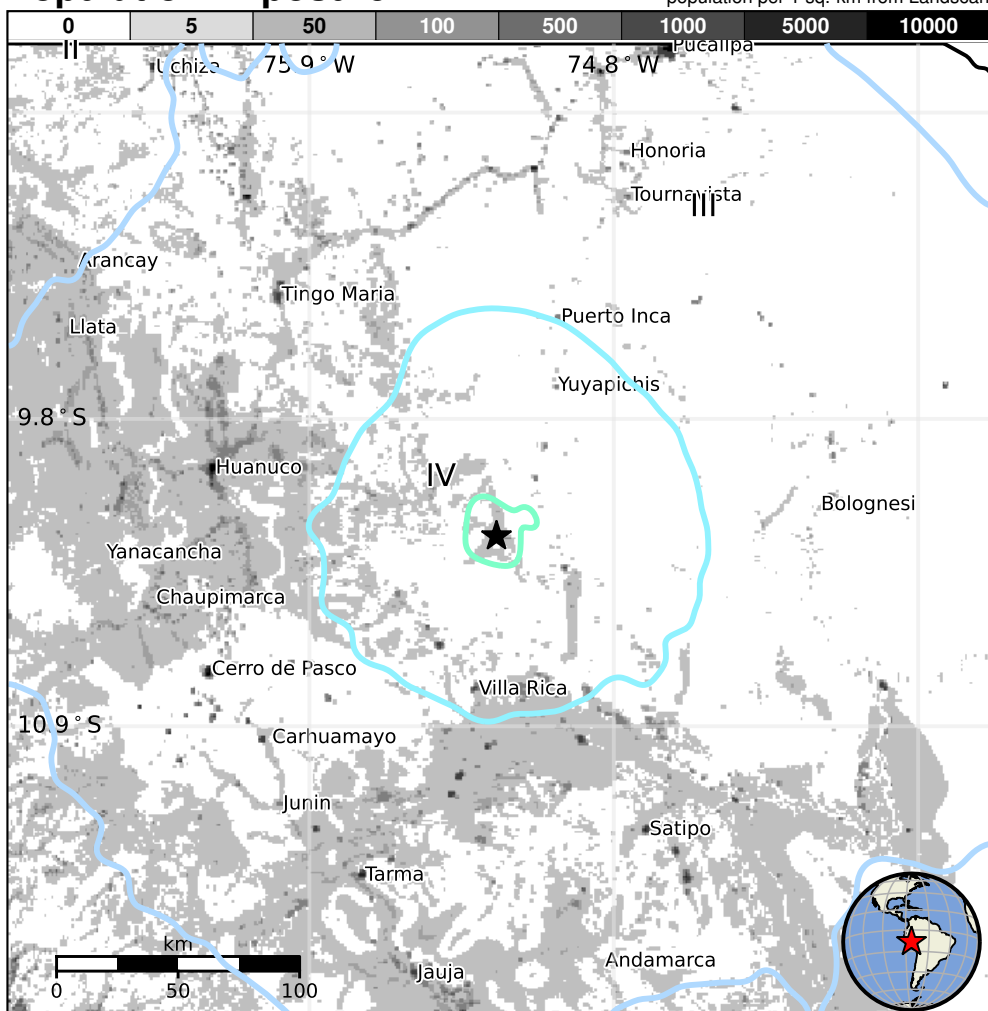


### Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		—*	2,438k	136k	4k	0	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		I	II-III	IV	V	VI	VII	VIII	IX	X+
PERCEIVED SHAKING		Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL DAMAGE	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

\*Estimated exposure only includes population within the map area.

### Population Exposure



### Structures

Overall, the population in this region resides in structures that are highly vulnerable to earthquake shaking, though some resistant structures exist. The predominant vulnerable building types are mud wall and reinforced/confined masonry construction.

### Historical Earthquakes

Date (UTC)	Dist. (km)	Mag.	Max MMI(#)	Shaking Deaths
1981-04-18	338	5.5	VI(193k)	8
1987-10-02	378	5.6	VII(11k)	3
2007-08-15	388	8.0	VIII(493k)	514

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

### Selected City Exposure

from GeoNames.org

MMI	City	Population
IV	Oxapampa	12k
IV	Huancabamba	<1k
IV	Pozuzo	<1k
IV	Villa Rica	7k
IV	Yuyapichis	<1k
IV	Chontabamba	<1k
III	Cerro de Pasco	79k
III	Huanuco	148k
III	Tingo Maria	53k
III	Pucallpa	311k
II	Chosica	89k

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

<https://earthquake.usgs.gov/earthquakes/eventpage/us7000c84t#pager>

bold cities appear on map.

(k = x1000)

Event ID: us7000c84t